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INDEX TO AMERICAN BOTANICAL LITERATURE
(1903-1908)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Arechavaleta, J. Flora Uruguaya **3**: 1–84. *f. 1–19.* 1906.
An. Mus. Nac. Montevideo, vol. 6.

Arechavaleta, J. Flora Uruguaya **3**: 229–502. *f. 42–108.* 1908.
An. Mus. Nac. Montevideo, vol. 6.

Arthur, J. C. The part taken by teleutospores and aecidia in the distribution of maize and cereal rusts. Proc. Soc. Prom. Agric. Sci. **26**: 94–98. 1905.

Autran, E. Les Tropéolacées argentines et le genre *Magallana* Cav. Trabaj. Mus. Farm. Buenos Aires no. 14: 74–81. 1907. [Illust.]

Bailey, L. H. What is horticulture? Proc. Soc. Prom. Agric. Sci. **26**: 31–40. 1905.

Beal, W. J. A study of *Rudbeckia hirta* L. Rep. Michigan Acad. Sci. **8**: 38, 39. 1906.

Beal, W. J. Improving wild potatoes by selection. Proc. Soc. Prom. Agric. Sci. **27**: 75. O 1906.

Beal, W. J. Planning an experiment to show to what extent bumble bees aid in pollinizing red clover. Proc. Soc. Prom. Agric. Sci. **28**: 136–138. 1907.

Beal, W. J. Some botanical errors found in agricultural and chemical text-books. Rep. Michigan Acad. Sci. **8**: 64–66. 1906.

Beal, W. J. The vitality of seeds. Proc. Soc. Prom. Agric. Sci. **26** : 89–93. 1905.

Bessey, C. E. The growing importance of plant physiology in agricultural education. Proc. Soc. Prom. Agric. Sci. **27**: 50–54. 1906.

Bolley, H. L. Plans for procuring disease-resistant crops. Proc. Soc. Prom. Agric. Sci. **28** : 107–114. 1907.

Braendle, F. J. The two t's, or the golden and silvery *Tricholoma*. [1–16.] Washington, D. C., 1907. [Illust.]

Brainerd, E. Mendel's law of dominance in the hybrids of *Viola*. Rhodora **9** : 211–216. 10 D 1907.

Briquet, J. Decades plantarum novarum vel minus cognitarum. Ann. Conserv. & Jard. Bot. Genève **10** : 99–106. 15 F 1907.

Includes 6 new American species in *Halimium* and *Verbena* (5).

Candolle, C. de. *Meliaceae* novae. Ann. Conserv. & Jard. Bot. Genève **10** : 122–176. 15 Mr 1907.

Includes new American species in *Cabralea*, *Guarea* (16), *Trichilia* (11), and *Cedrela* (8).

Clark, G. H., & Fletcher, J. Farm weeds of Canada. 1–103. *pl. 1–56.* Ottawa, 1906.

A special bulletin of the Department of Agriculture, Dominion of Canada.

Clements, F. E. Plant physiology and ecology. i–xv + 1–315. *f. 1–125.* New York, 1907.

Conard, H. S., & Hus, H. Water-lilies and how to grow them. i–xiii + 1–228. *pl. 1–31.* New York, 1907.

Conzatti, C. Las criptógamas vasculares de México. Mem. y Rev. Soc. Cien. Antonio Alzato **25**: 59–106. *f. 1–17.* Au 1907; 107–154. *f. 18–51.* S 1907; 155–176. *f. 52–60.* O 1907.

Cook, O. F. Evolution of weevil-resistance in cotton. Science II. **20** : 666–670. 18 N 1904.

Corrado, A. J. Contribución al estudio de la yerba mate. Trabaj. Mus. Farm. Buenos Aires no. 20 : 1–69. 1908.

Dachnowski, A. Zur Kenntnis der Entwicklungs-Physiologie von *Marchantia polymorpha* L. Jahrb. Wiss. Bot. **44**: 254–286. *pl. 4* + *f. 1–4.* Ap 1907.

Dandeno, J. B. A fungus disease of greenhouse lettuce. Rep. Michigan Acad. Sci. **8** : 45–47. 1906. [Illust.]

Dandeno, J. B. A stimulus to the production of cellulose and starch. Rep. Michigan Acad. Sci. **8**:40–44. 1906.

Dandeno, J. B. The aerating systems in plant tissues. Rep. Michigan Acad. Sci. **8** : 48–53. 1906.

Diels, L. *Menispermaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 73, 74. 10 Je 1908.

Includes 4 new species in as many genera.

Dusén, P. Beiträge zur Flora des Itatiaia. Arkiv Bot. 8^7: 1–26. *pl. 1–5* + *f. 1–10.* 5 Au 1908.

Engler, A. Beiträge zur Kenntnis der *Araceae* — X. Bot. Jahrb. **37**: 110–143. S 1905.

Includes 80 new species from tropical America, and one new genus, *Caladiopsis.*

Fries, R. E. Zur Kenntnis der Phanerogamenflora der Grenzgebiete zwischen Bolivia und Argentinien — IV. Einige choripetale und monokotyledone Familien. Arkiv Bot. 8^8: 1–51. *pl. 1, 2.* 3 Au 1908.

Gager, C. S. A simple modification of the experiment to show the gaseous exchange in plant respiration. Torreya **8**: 121–123. 19 My 1908. [Illust.]

Hanna, I. M. Expeditions into the Olympic Mountains. Mountaineer **1**: 29–34. Je 1907. [Illust.]

Hartley, C. P. Some apple leaf-spot fungi. Science II. **28**: 157–159. 31 Jl 1908.

Hicken, C. M. Nouvelles contributions aux fougères argentines. Trabaj. Mus. Farm. Buenos Aires no. 19: 1–12. 1907.

Includes 2 new species, one each in *Nephrodium* and *Asplenium.*

Hicken, C. M. Observations sur quelques fougères argentines nouvelles ou peu connues. Trabaj. Mus. Farm. Buenos Aires no. 15: 161–218. 1907. [Illust.]

Includes new species, one each in *Nephrodium*, *Pellaea*, and *Hypolepis.*

Hicken, C. M. *Polypodiacearum* argentinarum catalogus. Rev. Mus. La Plata **15**: 226–282. 1908.

Hochreutiner, B. P. G. *Malvaceae* et *Bombacaceae* novae vel minus cognitae. Ann. Conserv. & Jard. Bot. Genève **10**: 15–25. 8 Jl 1906.

Includes *Pavonia costaricensis* and *Ceiba Fiebrigii* (from Paraguay) spp. nov.

Hochreutiner, B. P. G. *Malvaceae* et *Sterculiaceae* novae vel minus cognitae. Ann. Conserv. Jard. Bot. Genève **11 & 12**: 1–9. 30 D 1907.

Hollick, A. Systematic palaeontology of the Pleistocene deposits of Maryland: *Pteridophyta* and *Spermatophyta.* Maryland Geol. Surv. Pliocene and Pleistocene 217–237. *pl. 67–75.* 1906.

Hörold, R. *Ericaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 92–94. 10 Je 1908.

Huber, J. A *Hevea Benthamiana* Müll. Arg. como fornecedora de borracha ao N. do Amazonas. Bol. Mus. Goeldi **5**: 242–248. O 1908.

Huber, J. As especies amazonicas do genero *Vitex.* Bol. Mus. Goeldi **5**: 209–222. *pl. 1–4.* F 1908.

Huber, J. Sobre uma nova especie de seringueira *Hevea collina* Hub. e as suas affinidades no genero. Bol. Mus. Goeldi **5**: 249–252. O 1908.

Hunt, T. F. The importance of nitrogen in the growth of plants. Proc. Soc. Prom. Agric. Sci. **27**: 38–49. 1906.

Jeffrey, E. C. *Araucariopitys,* a new genus of araucarians. Bot. Gaz. **44**: 435–444. *pl. 28–30.* 18 D 1907.

Jones, L. R., & Morse, W. J. The relation of date of digging potatoes to the development of the rot. Proc. Soc. Prom. Agric. Sci. **25**: 91–95. 1904.

Jones, L. R., & Sprague, L. P. Plum blight caused by the pear blight organism. Proc. Soc. Prom. Agric. Sci. **24**: 29–31. 1903.

Jones, M. E. Contributions to western botany — no. 12: 1–100. 16 Mr 1908.

Kauffman, C. H. Unreported Michigan fungi from Petoskey, Detroit, and Ann Arbor for 1905. Rep. Michigan Acad. Sci. **8**: 26–37. 1906.

Kellerman, K. F., & Beckwith, T. D. Effect of drying upon legume bacteria. Science II. **23**: 471, 472. 23 Mr 1906.

King, F. H. Promising methods for the investigation of problems of soil and plant physiology, and some lines of investigation to which they are adapted. Proc. Soc. Prom. Agric. Sci. **25**: 171–190. 1904.

Kneucker, A. Bemerkungen zu den "Gramineae exsiccatae" — XXIII. und XXIV. Lieferung, 1908. Allgem. Bot. Zeits. **14**: 137, 138. Au 1908.

Knowlton, F. H. Description of new fossil liverwort from the Fort Union beds of Montana. Proc. U. S. Nat. Mus. **35**: 157–159. *pl. 25.* 9 N 1908.

Krause, K. *Rubiaceae.* [In III. Beiträge zur flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot.

Vereins Brandenburg **50**: 96. 10 Je 1908; 97–119. 30 S 1908.

Krause, K. *Sapotaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 94–96. 10 Je 1908.

Lazenby, W. R. Composition and waste of fruits and nuts. Proc. Soc. Prom. Agric. Sci. **24**: 101–108. 1903.

Lazenby, W. R. The economic uses of wood. Proc. Soc. Prom. Agric. Sci. **26**: 54–67. 1905.

Lyon, T. L. Modifications in cereal crops induced by changes in their environment. Proc. Soc. Prom. Agric. Sci. **28**: 144–163. 1907.

MacDougal, D. T. The physiological aspect of a species. Am. Nat. **42**: 249–252. 18 My 1908.

MacKay, A. H. Fungi of Nova Scotia: First supplementary list. Proc. & Trans. Nova Scotia Inst. Sci. **12**: 119–138. 8 My 1908.

Malme, G. O. A. Über die Asclepiadaceen-Gattungen *Araujia* Brotero, und *Morrenia* Lindley. Arkiv Bot. **8**^{1}: 1–30. *pl. 1.* 19 Au 1908.

Moore, W. C. Contribution to the life history of *Cornus florida.* Ohio Nat. **8**: 197–204. *pl. 14.* Je 1907.

Munson, W. M. A study of red clover from various sources. Proc. Soc. Prom. Agric. Sci. **26**: 83–88. 1905.

Munson, W. M. Some problems in experimental horticulture. Proc. Soc. Prom. Agric. Sci. **28**: 122–128. 1907.

Norén, C. O. Zur Kenntnis der Entwicklung von *Saxegothaea conspicua* Lindl. Svensk Bot. Tidskr. **2**: 101–122. *pl. 7–9* + *f. 1–3.* 15 Je 1908.

Pammel, L. H. Some fungus diseases common in Iowa during the season of 1904. Proc. Soc. Prom. Agric. Sci. **26**: 69–82. 1905.

Pammel, L. H. Some phytopathological problems. Proc. Soc. Prom. Agric. Sci. **27**: 76–81. 1906.

Pammel, L. H. Some seed studies. Proc. Soc. Prom. Agric. Sci. **28**: 168–172. 1907.

Pammel, L. H. Some seed studies made during 1908. Proc. Soc. Prom. Agric. Sci. **29**: 52–56. 17 N 1908.

Pammel, L. H. Some unusual fungus diseases in Iowa during the summer of 1903. Proc. Soc. Prom. Agric. Sci. **25**: 144–156. *pl. 1, 2.* 1904.

Pammel, L. H., & Lummis, G. M. Germination of maize. Proc. Soc. Prom. Agric. Sci. **24**: 92–96. 1903.

Pammel, L. H., & Lummis, G. M. The germination of weed seeds. Proc. Soc. Prom. Agric. Sci. **24**: 89–92. 1903.

Parish, S. B. A contribution toward a knowledge of the genus *Washingtonia*. Bot. Gaz. **44**: 408–434. *f. 1–12.* 18 D 1907.

Patten, A. J. The proteid content of wheat as an index to its bread-making qualities. Rep. Michigan Acad. Sci. **8**: 75–77. 1906.

Penhallow, D. P. A blazing beach. Pop. Sci. Mo. **70**: 557–564. Je 1907. [Illust.]

Penhallow, D. P. A contribution to our knowledge of the origin and development of certain marsh lands on the coast of New England. Trans. Roy. Soc. Canada III. **1**^{4}: 13–55. *f. 1–8.* 1907.

Pennington, L. H. Plant distribution at Mud Lake. Rep. Michigan Acad. Sci. **8**: 53–63. *f. 1–4.* 1906.

Pittier, H. Ensayo sobre las plantas usuales de Costa Rica. i–xi + 1–176. *pl. 1–31.* 1908.

Pond, R. H. Solution tension and toxicity in lipolysis. Am. Jour. Phys. **19**: 258–283. 1 Jl 1907.

Robinson, C. B. Sugar-cane smut. (*Ustilago Sacchari.*) Philippine Agr. Rev. **1**: 295–297. Jl 1908.

Also in the Spanish edition of the Review **1**: 312–315. Jl 1908.

Saunders, W. Decrease in vitality of grain by age. Proc. Soc. Prom. Agric. Sci. **24**: 60–64. 1903.

Saunders, W. Some results of cross-fertilizing. Proc. Soc. Prom. Agric. Sci. **24**: 56–59. 1903. [Illust.]

Schaffner, J. H. Check list of Ohio shrubs. Ohio Nat. **8**: 205–209. N 1907.

Sellards, E. H. Notes on the spore-bearing organ *Codonotheca* and its relationship with the *Cycadofilices*. New Phytol. **6**: 175–178. Jl 1907.

Shepperd, J. H. Some of the effects of excessive nutrition. Proc. Soc. Prom. Agric. Sci. **25**: 98–101. 1904.

Shimek, B. Notes on some Iowa plants. Proc. Davenport Acad. Sci. **10**: 141–145. 1907.

Smith, C. D. Some notes on nodules. Rep. Michigan Acad. Sci. **8**: 67–74. 1906. [Illust.]

Snyder, H. The water soluble plant food of soils. Proc. Soc. Prom. Agric. Sci. **25**: 25–31. 1904.

Spegazzini, C. Fungi aliquot Paulistani. Rev. Mus. La Plata **15**: 7–48. 2 F 1908. [Illust.]

Spegazzini, C. Hongos de la yerba mate. Ann. Mus. Nac. Buenos Aires III. **10**: 111–141. 10 Je 1908.

Fungi growing on *Ilex paraguayensis.*

Spillman, W. J., & Cates, J. S. Agronomic habits of rootstock-producing weeds. Proc. Soc. Prom. Agric. Sci. **29**: 57–66. *f. 1–9.* 17 N 1908.

Sprague, T. A. *Bignoniaceae.* [In supplement to III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 119–123. 30 S 1908.

Sylvén, N. Die Genliseen und Utricularien des Regnell'schen Herbariums. Arkiv Bot. 8^6: 1–48. *pl. 1–7.* 5 N 1908.

Includes 9 new species in *Utricularia* and 1 in *Genlisea.*

Tidestrom, I. Elysium Marianum. Ferns and fern allies, 1–64. *pl. 1–9.* 1907 [ed. 2]; Evergreens, 65–96. *pl. 10–12.* 1908. Washington, D. C.

Ulbrich, E. *Bombacaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 90, 91. 10 Je 1908.

Includes 2 new species of *Quararibea.*

Ulbrich, E. *Malvaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 85–90. *f. 1, 2.* 10 Je 1908.

Ulbrich, E. *Sterculiaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 91, 92. 10 Je 1908.

Ule, E. III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition. Verhandl. Bot. Vereins Brandenburg **50**: 69–96. *f. 1, 2.* 10 Je 1908; 97–123. *f. a–d.* 30 S 1908.

Contains 9 separate papers here indexed under the respective authors: Diels, Hörold, Krause (2), Sprague, Ulbrich (3), and Ule (2).

Ule, E. *Commelinaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 69–72. 10 Je 1908.

Includes descriptions of 3 species and the new genus *Chamaeanthus.*

Ule, E. *Euphorbiaceae.* [In III. Beiträge zur Flora der Hylaea nach den Sammlungen von Ule's Amazonas-Expedition.] Verhandl. Bot. Vereins Brandenburg **50**: 74–85. 10 Je 1908.

Vestergren, T. *Aecidium alaskanum* Trel. und *Aecidium Orchidacearum.* Svensk Bot. Tidskr. **2**: (6–8). 23 Ap 1908.

Vries, H. de. Burbank's production of horticultural novelties. Open Court **20**: 641–653. N 1906. [Illust.]

Wiegand, K. M., & Foxworthy, F. W. A key to the genera of woody plants in winter, including those with hardy representatives found growing wild or in cultivation within New York State. Third Edition, 1–33. Ithaca, N. Y., 1908.